

VERSATILE SYSTEM FOR VARIANCE BASED DATA ANALYSIS

ABSTRACT

The present invention defines a versatile system for analyzing accuracy of industrial measurement data. The system of the present invention compiles measurements of a primary
5 device characteristic from a representative cross-section of a population of devices. The system provides a modeling function, from which is determined a variance for each measurement – forming a corresponding compilation of variances (200). The compilation of variances is evaluated for discontinuities (300), to identify a discontinuity within the compilation of variances. This discontinuity is utilized to determine a demarcation (302)
10 between accurate and inaccurate measurement data.